

Abstract

An inner riser adjustable hanger and seal assembly are provided for applying tension to a casing string secured at a lower end within a well and supported at an upper end by a wellhead housing. The wellhead housing has a locking member on an inner surface thereof. A tensioning mechanism tensions the casing string and
5 secures the upper end to the wellhead housing. A seal body locking member is radially moveable into engagement with the housing locking member to fix the axial position of the seal body relative to the wellhead housing. An upper seal assembly seals between the seal body and the wellhead housing, and a lower assembly seals
10 between the seal body and the casing string. The casing string is tensioned without appreciable rotation of the hanger body or the upper and lower seal assemblies.